

## ABSTRACT

This invention relates to a universal computer code generator.

The generator comprises at least:

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- one front end (FE) that creates an intermediate file (6) by a grammatical and syntactical analysis of the specifications file (4), the intermediate file comprising a syntactical tree (20, 30) describing data in the specifications file (4), all data extracted from this file (4) by front end (FE) being associated with a node (21, 22, 23, 24, 25, 26) in the tree;
- a Template (3) defining programming rules associated with each node, as a function of the code to be generated (7);
- a back end (BE) generating the output code (7) by reading the intermediate file (6) and the syntactical tree.

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The invention is applicable particularly for automatic code generation, for example for translation of computer languages.